



**FEATURES**

- 1U Form Factor
- Meets ATX12V Standard
- 80PLUS Efficiency Level
- Active PFC meets EN 61000-3-2 Standard
- Remote ON/OFF Function
- Approved to UL/IEC/EN 60950-1 2nd Edition



**INPUT SPECIFICATIONS**

|                             |                                    |
|-----------------------------|------------------------------------|
| Input Voltage Range .....   | 90-264 VAC                         |
| Input Frequency .....       | 47-63Hz                            |
| Input Current .....         | 6A rms max. @ 115 VAC              |
|                             | 3A rms max. @ 230 VAC              |
| Inrush Current .....        | 50A @ 115 VAC,                     |
|                             | 100A @ 230 VAC, at 25°C cold start |
| Earth Leakage Current ..... | 350µA max. @ 264 VAC, 50Hz         |

**OUTPUT SPECIFICATIONS**

|                                   |   |
|-----------------------------------|---|
| Output Power Ratings .....        | See rating chart                          |
| Load Regulation .....             | See rating chart                          |
| Ripple & Noise* .....             | See rating chart                          |
| Hold-up Time .....                | 17ms min. @ 115/230VAC                    |
| Rise Time .....                   | 20ms max. @ 115/230VAC                    |
| Over Voltage Protection, +3.3V .. | 3.7-4.8V                                  |
|                                   | +5V ..... 5.5-6.82V                       |
|                                   | +12V ... 13.4-15.6V                       |
| Over Current Protection, +3.3V .. | 50mV p-p                                  |
|                                   | +5V ..... 50mV p-p                        |
|                                   | +12V ... 120mV p-p                        |
|                                   | -12V .... 120mV p-p                       |
|                                   | +5Vsb . 50mV p-p                          |
|                                   | -5V ..... 100mV p-p                       |
| Short Circuit Protection .....    | On all outputs, Load of less than 0.1 ohm |
| Temperature Coefficient .....     | ±0.04%/°C max.                            |

\* Measured with 20MHz bandwidth at rated line voltage and output load ranges, with a 10µF tantalum capacitor in parallel with a 0.1µF ceramic disk capacitor across the output connector.

| OUTPUT VOLTAGE & CURRENT RATING CHART |              |               |                 |                          |
|---------------------------------------|--------------|---------------|-----------------|--------------------------|
| Output Voltage                        | Minimum Load | *Maximum Load | Load Regulation | Ripple & Noise VP-P Max. |
| +3.3V                                 | 0.5A         | 16A           | ±5%             | 50mV                     |
| +5V                                   | 0.5A         | 18A           | ±5%             | 50mV                     |
| +12V <sub>1</sub>                     | 1A           | 16A           | ±5%             | 120mV                    |
| +12V <sub>2</sub>                     | 1A           | 16A           | ±5%             | 120mV                    |
| -12V                                  | 0A           | 0.8A          | ±10%            | 120mV                    |
| +5Vsb                                 | 0A           | 2.5A          | ±5%             | 50mV                     |
| -5V                                   | 0A           | 0.3A          | ±10%            | 100mV                    |

\* The overall output power is 350W maximum.  
 \* The total output power for +3.3V & +5V is 130W maximum.  
 \* The total output current for +12V<sub>1</sub> & +12V<sub>2</sub> is 24A maximum.

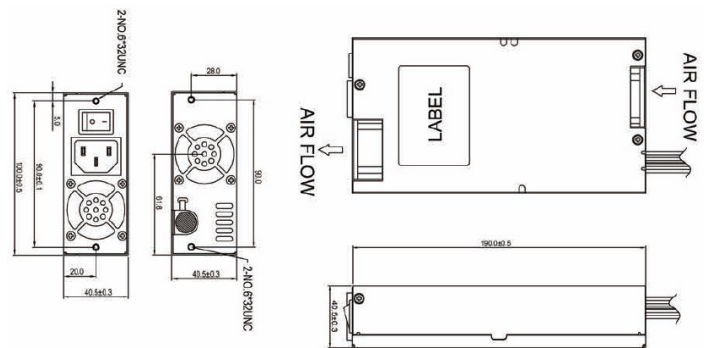
**GENERAL SPECIFICATIONS**

|                             |  |
|-----------------------------|--|
| Efficiency .....            | 84% typ. @ full load   |
| Operating Altitude .....    | 2,000 meters max.  |
| Operating Temperature ..... | 0°C to +50°C   |
| Storage Temperature .....   | -20°C to +80°C   |
| Relative Humidity .....     | 5% to 95% non-condensing   |
| Withstand Voltage .....     | 1,800 VAC, input-ground  |
| MTBF .....                  | 150K hours minimum at full load & 25°C ambient, calculated per MIL-HDBK-217F |

**STANDARDS & COMPLIANCES**

|                        |                                   |
|------------------------|-----------------------------------|
| EMI/EMC .....          | FCC & CISPR 22, Class B conducted |
|                        | FCC & EN 55022, Class B radiated  |
| Safety Standards ..... | UL/IEC/EN 60950-1 2nd Edition     |
| Agency Approvals ..... | UL, cUL, TUV, CB, CE, CCC         |
| Other Compliance ..... | 80PLUS, RoHS                      |

**MECHANICAL SPECIFICATIONS**



**Notes:**

1. Dimensions in mm.
2. Customized cable set available upon request.